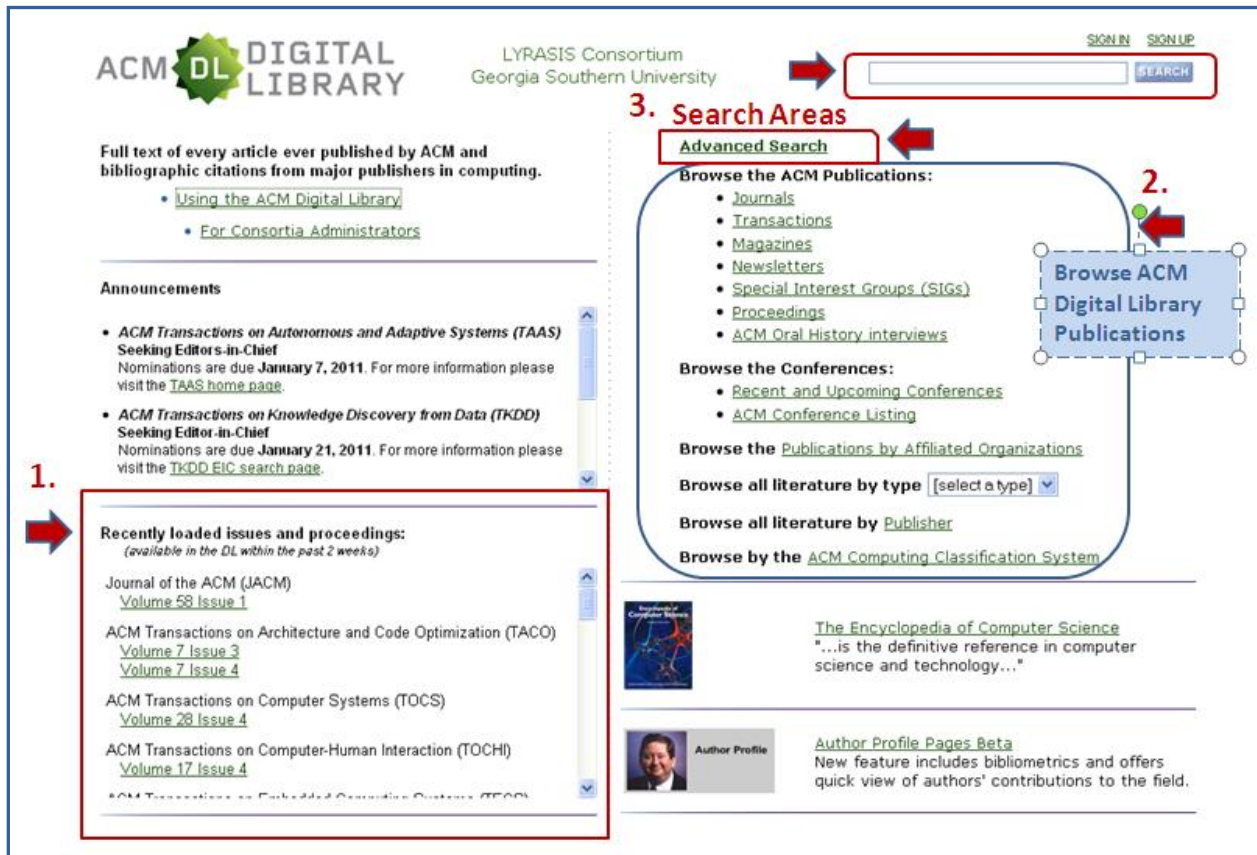


## A Quick Guide to [ACM Digital Library](#)

[ACM Digital Library](#), a primary information resource from the world's largest educational and scientific computing society, offers a vast collection of full-text ACM journal articles, citations, and conference proceedings in the fields of computing industry.



The screenshot shows the ACM Digital Library homepage. At the top left is the logo and text: "ACM DL DIGITAL LIBRARY". To the right, it says "LYRASIS Consortium Georgia Southern University". There are "SIGN IN" and "SIGN UP" links in the top right. A search bar is located at the top right with a "SEARCH" button. The main content area includes a description of the library, "Announcements" with several notices, and a "Recently loaded issues and proceedings" section. A red box labeled "1." highlights the "Recently loaded issues and proceedings" section. To the right, a "Browse ACM Digital Library Publications" button is highlighted with a red box labeled "2.". Below this, a "3. Search Areas" section is outlined, containing "Advanced Search" and various browsing options like "Browse the ACM Publications", "Browse the Conferences", "Browse the Publications by Affiliated Organizations", "Browse all literature by type", "Browse all literature by Publisher", and "Browse by the ACM Computing Classification System".

### How to Access [ACM Digital Library](#)?

1. Go to [Henderson Library-Distance Learning Services](#):
2. Click "GALILEO Databases":
  - a. **Note:** When you intend to access GALILEO databases outside campus, you need to have a qualified [Georgia Southern EagleID](#) and a [PIN number](#) in advance.
3. Click "Databases A-Z"
4. Click Letter "A" in the Database List
5. Scroll Down the list to see "ACM Digital Library (Association for Computing Machinery)"
6. Click "ACM Digital Library (Association for Computing Machinery)"

## How to Search [ACM Digital Library](#)?

After ACM Digital Library is open, you may type your search terms in the search area, which is located at the right upper corner of your window.

For example, you may search ACM journal articles about “data modeling”.

### Quick Search Steps

#### Step One:

Type your search terms, such as “data modeling,” in the search area.

The screenshot displays the ACM Digital Library search results page. At the top left is the ACM Digital Library logo. To its right, it says 'LYRASIS Consortium Georgia Southern University'. In the top right corner, there is a search bar containing the text 'data modeling' and a 'SEARCH' button. Below the search bar, a red arrow points to it with the text 'Note: Type your search terms here.' Below the search bar, it says 'Searching for: data modeling (start a new search)' and 'Found 165,469 of 1,631,831 within The ACM Guide to Computing Literature'. Below this, there are tabs for 'Search Results', 'Related Journals', 'Related Magazines', 'Related SIGs', and 'Related Conferences'. The 'Search Results' tab is selected, showing 'Results 1 - 20 of 165,469'. Below the tabs, there are three main sections: 'Refine by Keywords', 'Refine by People', and 'Refine by Publications'. The 'Refine by Keywords' section has a search box with 'data modeling' and a 'SEARCH' button. The 'Refine by People' section has links for 'Names', 'Institutions', 'Authors', 'Editors', 'Advisors', and 'Reviewers'. The 'Refine by Publications' section has links for 'Publication Year', 'Publication Names', 'ACM Publications', 'All Publications', 'Content Formats', and 'Publishers'. The main search results list shows two results. The first result is 'Unified evaluation of data modeling languages in network management domain using a multi-criteria method' by Hui Xu, Debao Xiao, published in June 2009 in the 'CCDC'09: Proceedings of the 21st annual international conference on Chinese control and decision conference'. The publisher is IEEE Press. The second result is 'Effects of Local Versus Global Schema Diagrams on Verification and Communication in Conceptual Data Modeling' by Jeffrey Parsons, published in December 2002 in the 'Journal of Management Information Systems', Volume 19 Issue 3. The publisher is M. E. Sharpe, Inc.

[ACM Digital Library](#) will generate a list of 165,469 citations for you. The first 20 citations will show up first.

#### Step Two:

- Scroll down the search result list to find the related information you have an interest.
- Make sure that you can see a full-text journal article saved as a PDF (Portal Document Format) file.
- Click this PDF icon.
- An ACM journal article will show up in a several seconds.
- Note: it may take a little bit longer time for AIC Digital Library to open a PDF article, depending on how many pages you are going to open and how fast your network speed is.

[All Publications](#)  
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**ADVANCED SEARCH**  
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**FEEDBACK**  
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Found **165,469** of **1,631,831**

**Keywords:** Multi-criteria decision analysis, analytical hierarchy process, data modeling language, network management, unified evaluation

2 [Effects of Local Versus Global Schema Diagrams on Verification and Communication in Conceptual Data Modeling](#)  
[Jeffrey Parsons](#)  
 December 2002 **Journal of Management Information Systems**, Volume 19 Issue 3  
**Publisher:** M. E. Sharpe, Inc.  
**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 4

Much research in conceptual data modeling has focused on developing techniques for view integration, or combining local conceptual schemas into a global schema. Local schemas are argued to be important in verifying conceptual data requirements before ...

**Keywords:** Classification Theory, Conceptual Database Models, Database Schemas, Empirical Data Modeling Research, View Integration

3 [Urban terrain data modeling with adaptive dual marching tetrahedra and feature detecting techniques](#)  
[Gregory M. Nielson, Kun Lee](#)  
 March 2009 **ISTA '09: Proceedings of the 2009 conference on Information Science, Technology and Applications**  
**Publisher:** ACM [Request Permissions](#)  
 Full text available: [Pdf \(1.25 MB\)](#) ← **Click this PDF icon.**  
**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 26, Downloads (Overall): 37, Citation Count: 0

We describe some methods for developing mathematical models from data obtained from scanning (LIDAR) urban terrain environments consisting of a combination of man-made structures and natural geographic terrain. The methods exploit the efficiency provided ...

**Keywords:** adaptive, data modeling, dual marching tetrahedra, feature detection, features, point cloud data, scattered data modeling, terrain modeling, urban modeling

**Step Three:**

- After this PDF file is open, review it and make sure it is what you are looking for.

1 / 10 100% Sign Find

## Urban Terrain Data Modeling with Adaptive Dual Marching Tetrahedra and Feature Detecting Techniques

Gregory M. Nielson  
 Arizona State University  
 Tempe, AZ, USA  
 nielson@asu.edu

Kun Lee  
 Handong Global University  
 Pohang, Kyungbuk, Korea  
 kunlee@handong.edu

**ABSTRACT**  
 We describe some methods for developing mathematical models from data obtained from scanning (LIDAR) urban terrain environments consisting of a combination of man-made structures and natural geographic terrain. The methods exploit the efficiency provided by adaptive techniques and are based upon implicit mathematical models which permit the efficient implementation of some useful post processing operations. Also we introduce some new and very effective methods for detecting edges and corners implied by the data and use this information to extract conventional triangle mesh surfaces from the implicit models using the dual marching tetrahedra method.

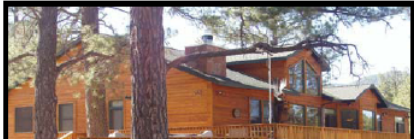
**Categories and Subject Descriptors**  
 I.3.3 [Computer Graphics]: Computational Geometry and Object Modeling – curve, surface and object representations; geometric algorithms; modeling packages.

**General Terms**  
 Algorithms, Measurement, Theory, Performance.

**Keywords**

3D volumetric methods (see [13], [15] and [16]). In the approach described here, an implicitly defined surface  $S = \{(x, y, z): F(x, y, z) = 0\}$  is determined that approximates the surface inferred by the point cloud  $(x_i, y_i, z_i), i = 1, \dots, N$ . The trivariate function  $F(x, y, z)$  is called the *field function*.

There are many advantages to implicitly defined surfaces including: i) The ease of performing unions and intersection operations with extremely simple operations on the field function; ii) The ability to obtain multi-resolution models with simple operations applied to the field function and iii) The ease of incorporating corners and sharp features in the surface model without pre-described discontinuities or other properties of the field function.



- If yes, you may either save it or print it out.
- If not, go back to your original search result list and look for a new article.
- Note: If necessary, you may start a new search if you use related keywords.

## Search with Boolean Operator

If you are tired of reviewing a long list of search result list, you may use a Boolean Operator “AND” to shorten your search result list.

**Boolean Operator Search Formula:** **Keyword(s) A + AND + Keyword(s) B**

**Boolean Operator Search Example:** **data modeling AND Oracle**

### Step One:

For example, you may type “data modeling AND Oracle”.

ACM Digital Library generates a new search result list with 4,579 citations, which used to have 165,469 citations.

ACM DL DIGITAL LIBRARY LYRASIS Consortium Georgia Southern University

Searching for: data modeling and oracle (start a new search)  
Found 4,579 of 1,631,831 within The ACM Guide to Computing Literature

Limit your search to Publications from ACM and Affiliated Organizations

REFINE YOUR SEARCH

Search Results | Related Journals | Related Magazines | Related SIGs | Related Conferences

Results 1 - 20 of 4,579

Sort by relevance in expanded form

Result page: 1 2 3 4 5 6 7 8 9 10 next >>

**Search Result List**


- 1 [The MPEG-7 Multimedia Database System \(MPEG-7 MMDB\)](#)  
Mario Döller, Harald Kosch  
September 2008 **Journal of Systems and Software**, Volume 81 Issue 9  
Publisher: Elsevier Science Inc.  
Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 2  
  
Broadly used Database Management Systems (DBMS) propose multimedia extensions, like Oracle's Multimedia (formerly InterMedia). However, these extensions lack means for managing the requirements of multimedia data in terms of semantic meaningful querying, ...  
  
Keywords: MPEG-7, Multimedia Database Systems, Multimedia index structures
- 2 [Supporting complex thematic, spatial and temporal queries over semantic web data](#)  
Matthew Perry, Amit P. Sheth, Farshad Hakimpour, Prateek Jain  
November 2007 **GeoS'07: Proceedings of the 2nd international conference on GeoSpatial semantics**  
Publisher: Springer-Verlag  
Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 1

### Step Two:

- Scroll down the new search result list.
- Select a citation with PDF file.
- Open this PDF file.

**Note:** You may use more than one Boolean Operator to link your search keywords.

## Frequently Asked Questions (FAQs):



LYRASIS Consortium: Georgia Southern University

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Search:  The ACM Digital Library  The Guide

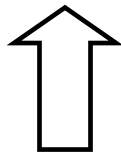
### THE ACM DIGITAL LIBRARY

#### Using The ACM Digital Library (DL)

#### FAQs -- Frequently Asked Questions

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- [What is a Citation?](#)
- [Your citation page has incomplete/incorrect information. Who do I contact?](#)
- [How does the DL differ from the Guide?](#)
- [How do I find what I'm looking for?](#)
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Web Reference: [http://portal.acm.org/faq\\_dl.cfm](http://portal.acm.org/faq_dl.cfm)



**Click Here!**

**Note:**

**If you have additional questions about ACM Digital Library collections, please click the Web Reference above-mentioned for more information.**



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Web Reference: <http://www.youtube.com/watch?v=sSFJnm1VxKQ>

### Additional References:

1. ACM Digital Library & Guide:  
<http://learnmore.acm.org/pdf/digitallibrary.pdf>
2. ACM Digital Library End User Training Guide:  
<http://www.slideboom.com/presentations/158179/DL-End-User-Training-Guide>
3. YouTube: ACM Digital Library

### Search Assistance:

If you have any difficulty in using ACM Digital Library, you may contact Information Services Librarians for help:

- Start a session of Instant Messaging (IM) Assistance with a librarian:  
<http://library.georgiasouthern.edu/libref/imref.html>
- Call Henderson Library's Learning Commons Desk at: 912-478-5645
- Ask us your questions or send us your comments:  
<http://library.georgiasouthern.edu/forms/askzach.html>

## Contact Us

Library  
Zach S. Henderson



### Contact Us:

If you have any difficulty in using IEEE Computer Society Digital Library (CSDL), you may contact Information Services Librarians for help:

- Start a session of Instant Messaging (IM) Assistance with a librarian:  
<http://library.georgiasouthern.edu/libref/imref.html>
- Call Henderson Library's Learning Commons Desk at: **912-478-5645**
- Ask us your questions or send us your comments:  
<http://library.georgiasouthern.edu/forms/askzach.html>
- Frequently Asked Questions about ILLiad (Interlibrary Loan Service):  
<http://webill.lib.georgiasouthern.edu/illiad/FAQ.html>

